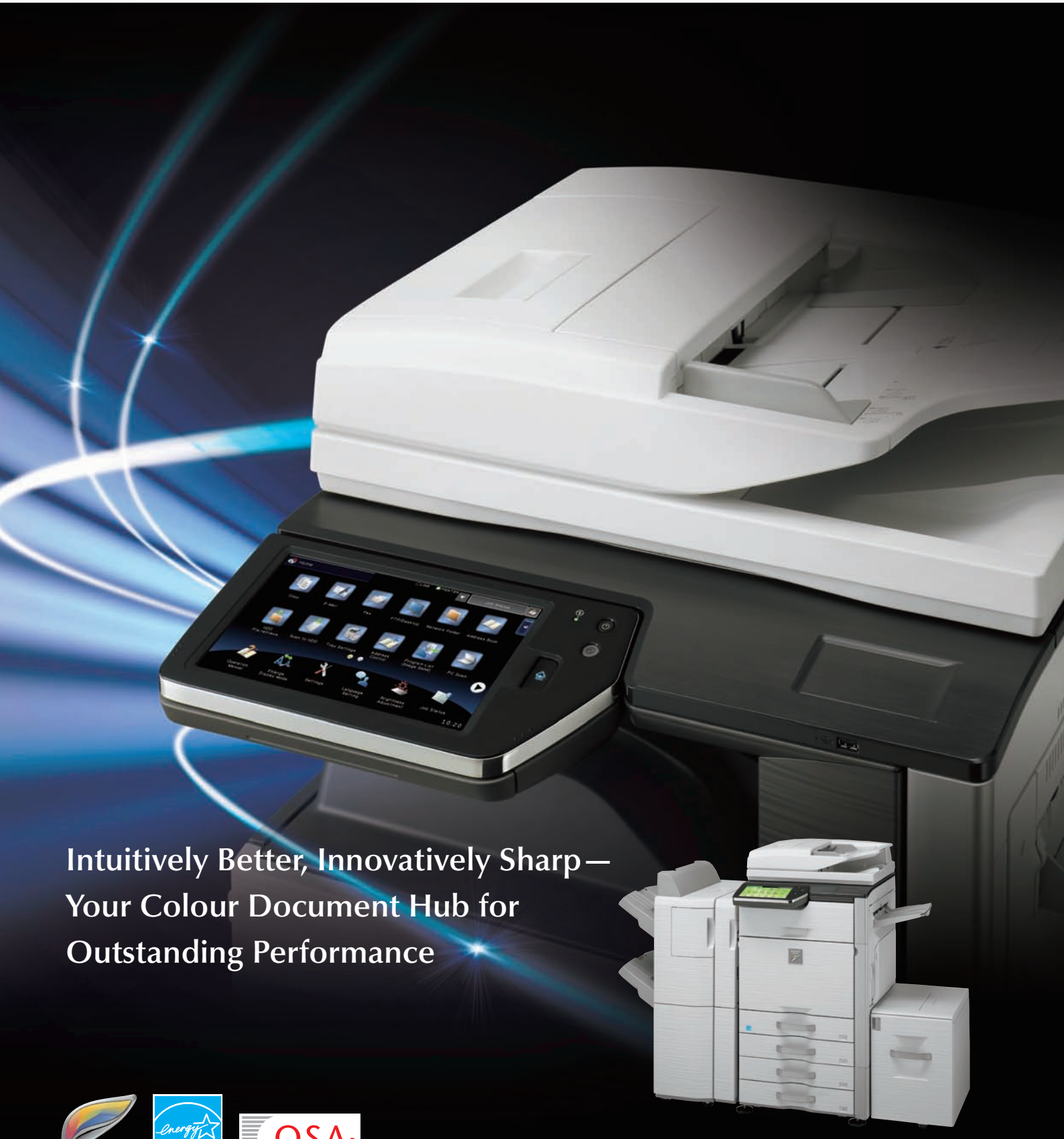
SHARP

MX-5111N
MX-4111N

Digital Full Colour Multifunctional System



Intuitively Better, Innovatively Sharp—
Your Colour Document Hub for
Outstanding Performance

ENERGY STAR

OSA
Sharp Open Systems Architecture

COPY | NETWORK PRINT | NETWORK SCAN | SHARPDESK | FAX OPTION

Speed and Efficiency at Your Fingertips

As a next-generation document hub, the MX-5111N/4111N allows easy fingertip control and intuitive operation of state-of-the-art functions. A simple flick, tap, or slide on the MX-5111N/4111N's 10.1-inch colour LCD touchscreen opens the door to fast 51/41-ppm output, high-quality colour copying, and effortless network scanning. Along with reliable data security and eco-friendly operation, the MX-5111N/4111N offers convenient Advanced Preview and Page Editing functions and a high-speed Duplex Single Pass Feeder. For a performance-enhancing boost, the MX-5111N/4111N supports options for Sharp OSA (Open Systems Architecture), faxing, document finishing, and Internet browsing.

Next-Generation User Interface

The MX-5111N/4111N's 10.1-inch colour LCD, Advanced Preview function, and intuitive operation put control at the tip of your fingers, making it easy for even first-time MFD users to navigate. Document finishes like stapling and page layout can be confirmed onscreen before printing out to avoid erroneous printouts and paper waste. Documents can be previewed in various modes, including 3D, edit, and thumbnail, to match the task at hand.

Web Bro

A Web browsing option adds viewing and printing out Web the MX-5111N/4111N's LCD

Choice of Screen Style

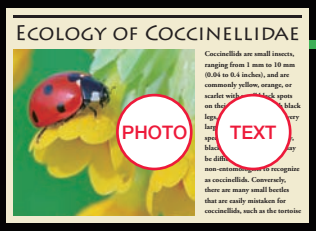
The MX-5111N/4111N offers a choice of six LCD screen colours and a universal-design screen. While the default colour is green, users can easily select their preferred background style.

Breathtaking Image Quality

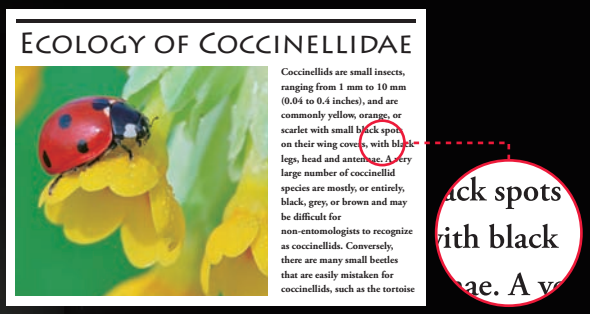
Sharp's second-generation high-grade toner and an improved imaging system combine to allow the full spectrum of colour reproduction in crisp, sharp detail. Additionally the MX-5111N/4111N is so easy to operate, breathtakingly high-quality images can be produced with just the touch of a finger.

2nd-Generation high-grade toner

Auto Colour Mode


ECOLOGY OF COCCINELLIDAE
PHOTO
TEXT
Auto recognition
Text comes out crisp and clear, and unnecessary background colour is automatically removed

Original



Copy

wsing

full Internet access for pages and PDF files via —without using a PC!

Advanced Environmental Performance

The MX-5111N/4111N boasts state-of-the-art environmental technologies and a range of eco-functions. A short warm-up time is just one of the pluses making this MFD a real energy saver. Dramatically reduced power consumption also means that TEC values*1 are significantly lower than the maximum allowable values determined by ENERGY STAR®.

*1 Typical amount of energy consumed in a hypothetical week measured as stipulated under the ENERGY STAR® programme. Value is for total electricity consumed during five days of use, cycling between full operation and Sleep mode or turned off, and two days in Sleep mode or turned off.

Lower TEC Value

			Max. allowable TEC value
MX-5111N	27.7%	4.12 kWh*2	14.85 kWh
MX-4111N	31.3%	3.55 kWh*2	11.35 kWh

ENERGY STAR

Shorter Warm-Up Time*3

MX-5111N
34 seconds
75.7% down

MX-4111N
30 seconds
75.0% down

*2 Measured at 230V.
*3 Compared to MX-5001N (warm-up time 140 seconds) and MX-4101N (warm-up time 120 seconds).

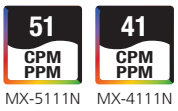
COPYING & NETWORK PRINTING

PRODUCTIVE

Super-Efficient Colour and B/W Output

The MX-5111N/4111N delivers a fast output of **51/41 cpm/ppm*** in B/W and in full colour. The first copy comes out in just **4.1/4.7 seconds** in B/W and **5.7/6.7 seconds** in full colour to save valuable time when performing multiple short-run jobs.

* A4, long-edge feeding



MX-5111N MX-4111N

Speedy Document Feeding

The MX-5111N/4111N comes standard with a highly efficient **150-sheet DSPF** (duplex single pass feeder), which **scans both pages** of two-sided documents **up to A3** in size in one pass. Doing away with the reversing circuit minimises paper misfeeds and vastly improves reliability. With a scanning speed of **75 originals per minute*** (opm) for both two-sided and one-sided originals, the MX-5111N/4111N finishes even large projects quickly.

* When feeding A4 sheets in B/W

Built-In Stackless Duplex Module

The MX-5111N/4111N can make **two-sided copies and printouts** using its built-in stackless duplex module, effectively reducing paper costs as well as saving filing space.

Automated Finishing

The MX-5111N/4111N offers plenty of finishing options to suit a variety of workplaces and applications. Both a **space-efficient Finisher** and a **4,000-sheet Finisher** option are available for sorting and stapling. The **Saddle Stitch Finisher** option for stapling documents up to 50 sheets can also fold and staple sets of documents up to 15 sheets to make completed booklets. Another Saddle Stitch Finisher handles **A3W** paper with ease. Also the **Punch Module** option punches holes in documents for easy filing.

Large Paper Capacity

An optional 3,500-sheet large-capacity tray is available for high-volume work, bringing the total paper capacity to **5,600 sheets**. For extra-large-volume jobs, the **Auto Tray Switching** function automatically switches to another tray filled with same-size paper.

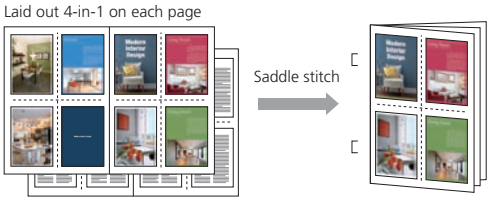
Supports Most Office Environments

- The MX-5111N/4111N works with the latest and most commonly used versions of Windows®, Windows Server®, and Mac operating systems and network protocols—including **IPv6**—even in mixed OS environments. You get fast, powerful network printing via the 1000Base-T **Gigabit Ethernet** standard.
- The MX-5111N/4111N supports the **PCL6** printer language. For compatibility with **PostScript 3**, the MX-PK11 PS3 Expansion Kit is available.

A Range of Copy/Print Applications

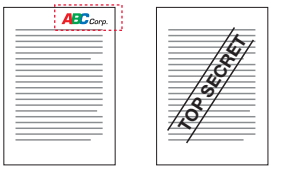
Multi Shot and Booklet Making

Thanks to Multi Shot, two to eight pages of a multi-page document can be copied and up to 16 pages can be printed onto a single sheet, reducing paper use. With the optional Saddle Stitch Finisher, multiple sheets can be automatically centre-stapled together to make booklets.



Custom Images

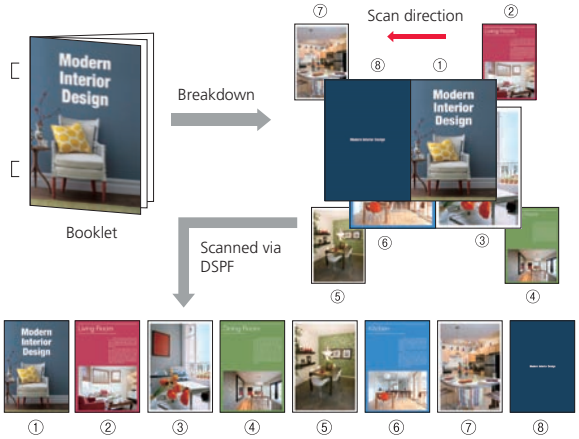
Customised images prepared by the user, such as a company logo stamp or a "TOP SECRET" watermark, can be used on copies.



Full-colour stamp Greyscale watermark

Book Divide

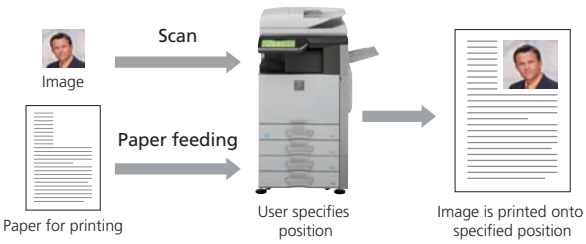
When copying or scanning a booklet or book, the Book Divide function separates the right and left (or the top and bottom) of a two-page spread and outputs each page in the original page order.



Each page is output in original page order

Image Positioning

With this function, a scanned image, such as a photo or an illustration, can be copied onto another document in a position specified by the user. The output can be confirmed beforehand using the Advanced Preview function on the LCD.



SUPERB IMAGE QUALITY

Improved Imaging System

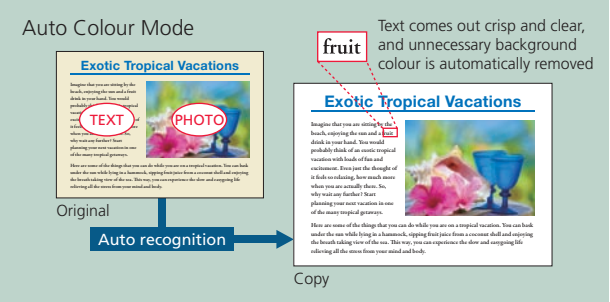
Sharp thoroughly revamped its imaging process for the MX-5111N/4111N; now a high-performance processor, a new developer, and the **second-generation high-grade toner** combine to provide breathtaking image quality. The new toner expands the colour reproducibility range for a more natural rendering of clear blue skies, emerald green oceans, and other colour images. The smaller particle size of the toner and the developer allows for reduced graininess and clear reproduction of fine lines, fine text, and halftone colours.

High-Resolution Output

The MX-5111N/4111N delivers 600-dpi copying and razor-sharp **1,200-dpi** printing—without sacrificing output speed. Digital smoothing technology enhances the print and copy resolution to the equivalent of **9,600 x 600 dpi** for incredibly smooth reproduction of fine lines. Fine-grained photographs, detailed illustrations and graphs, and small text come out crisp and clear.

Easy, High-Quality Copying

Auto Colour Selection automatically determines whether a page is colour or B/W and selects the appropriate copy mode for that page. **Auto Colour Mode** analyses the contents of each page, distinguishing between different components, such as photos and text. These two functions allow the MX-5111N/4111N to print out maps with crisp, clear text and to automatically remove unnecessary background colour from newspaper and magazine copies for clearer output.



VERSATILE OPERATION

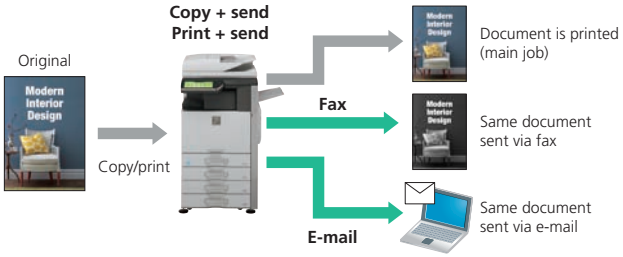
Direct Printing*1

The MX-5111N/4111N can print PDF*2, TIFF, JPEG, and XPS*3 files without using the printer driver. There is also a USB port beneath its control panel, which comes in handy when printing data directly from USB memory devices—an indispensable function for users who are in a hurry or who want quick machine access without a PC.

*1: Direct printing may not support all PDF, TIFF, JPEG, and XPS formats. *2: Direct PDF printing requires optional MX-PK11. *3: Direct XPS printing requires optional MX-PUX1 and MX-ARSM10.

Simultaneous Job Processing

The MX-5111N/4111N makes it easy to simultaneously carry out multiple jobs. Scanned documents can be copied and e-mailed at the same time. Also documents can be simultaneously printed and faxed for ultra-convenient multitasking.



Other Key Features

Repeat Layout

Upgraded from the conventional Photo Repeat function, this function can repeat an entire page layout as a single image onto a single sheet.

Auto Zoom for Irregular-Size Originals

With Auto Zoom, after the user specifies the required finished size of a copy, the MX-5111N/4111N will automatically calculate the appropriate ratio by which to reduce or enlarge an irregular-size original.

Layout Print

This function repeats an entire page layout as a single image. The user can specify whether or not to repeat the first page (cover page) of the document.

- **Tab Copy / Tab Print** can copy or print directly onto tabs on document separators and insert them into assigned positions.
- **Card Shot** enables one-touch copying of both sides of a card (credit cards, ID cards, etc.) onto a single page.
- **Carbon Copy Print** mode automatically outputs multiple printouts of the same data on plain and/or coloured paper; convenient for invoices and purchase orders.
- **Form Overlay** can store office document formatting such as letterheads and overlay contents in colour, eliminating the need for pre-printed paper.
- **Barcode font** compatibility (requires optional MX-PF10)
- **Colour Stamp** labels your copies with page numbers, the date or text such as "Urgent" in up to four different colours.
- **Book Copy** is convenient for compiling copies of a book or bound originals into pamphlet format.
- **Multi-Page Enlargement** divides an image onto separate sheets for making posters up to A0 x 2 in size.

IMAGE SENDING

: Scan : Fax

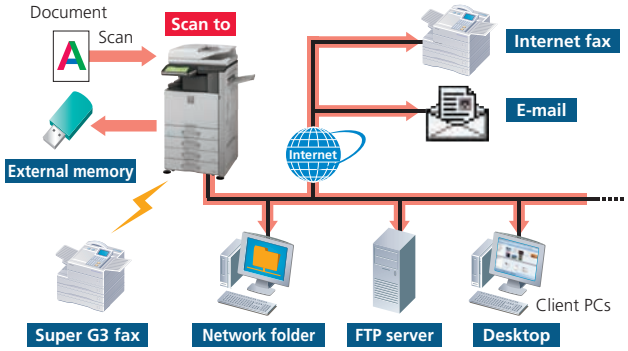
A3 Colour Network Scanning

The MX-5111N/4111N works as a **full-colour network scanner** and supports TIFF, PDF, encrypted PDF, compact PDF*, PDF/A, XPS, and JPEG file formats. Converting any type of paper-based document, up to A3 in size, into an editable digital file is as easy as making a copy. Enhanced scan performance improves the legibility of extremely fine text and allows vivid colour reproduction in scanned documents. **Auto Colour Selection** chooses the right mode for scanning originals containing both colour and B/W pages (see page 4). Five levels of sharpness and contrast control enable finely tuned adjustments for optimal image quality.

* Requires optional MX-EB11.

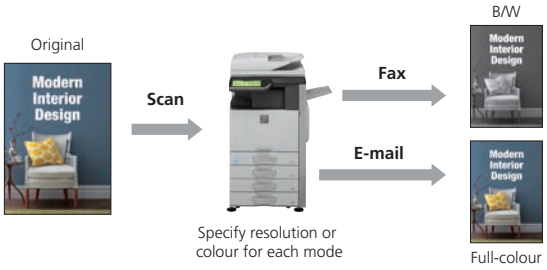
Multiple Distribution of Scanned Files

With just a few taps on the LCD touchscreen, you can choose different ways to distribute your scanned documents. **Scan to E-mail** sends documents as an e-mail attachment. **Scan to FTP Server** scans documents directly to an FTP server for storage. **Scan to Desktop** sends scanned documents directly to your PC desktop. **Scan to Network Folder (SMB)** sends files to a shared folder on a networked Windows PC. **Scan to External Memory Device** scans documents directly to USB memory devices. **Scan to Fax** enables conventional faxing or Internet faxing.



One Scan/Multi Format

This function allows you to specify image resolution or colour for each mode of broadcasting employed. For example, when sending the same image data to both a fax and an e-mail destination, you can send a B/W version via fax and a full-colour version via e-mail.



LDAP Support

Built-in LDAP (lightweight directory access protocol) support eliminates the need to enter or register full addresses. When you enter the first few letters of the recipient's name, the MX-5111N/4111N displays a list of possible matches from your company's LDAP server. Selected addresses can be stored to the MX-5111N/4111N's address book.

Drop Out Colour

This function removes chromatic colour from a scanned image, reducing the data size for compact storage and enhancing the legibility of B/W text to improve the text recognition rate before OCR.

Black Letter Emphasis

When text-heavy documents are scanned, this function improves the legibility of B/W text while keeping the file size down. Text is scanned at high resolution while the rest of the document, including photos and illustrations, is scanned at a lower resolution.

Improved Address Book

With the MX-5111N/4111N's improved address book format, up to seven destinations, including e-mail addresses, fax numbers, and FTP addresses, can be displayed under each registered entry. For enhanced security, when registering an entry, you can select whether the information will be open to all MFD users or limited to only designated users or groups. Since only the viewable addresses for each logged-in user are displayed, the list of addresses is narrowed down, making address searches easier.

PC-Fax/PC-Internet Fax

Directly send a document created on your PC to a recipient's fax machine via a phone line or the Internet without printing to paper. Save time and paper costs while retaining original document quality.

Note: PC-Internet Fax requires optional MX-FWX1; PC-Fax requires MX-FX11.

Internet Fax

Economically send and receive faxes to and from other T-37-compliant Internet fax machines via the Internet. Thanks to **Direct SMTP** support, outgoing Internet faxes do not go through your mail server, making transmission faster and cheaper.

Note: Requires optional MX-FWX1.

Paperless Faxing with Inbound Routing

Paperless faxing with inbound routing lets you check incoming faxes via e-mail before printing them out. It can also forward incoming faxes to destinations—another fax/Internet fax machine, an FTP server, a network folder (SMB), or a PC desktop—specified for each sender.

Fax Data Storage on MFD Hard Disk

The MX-5111N/4111N lets you select important fax data from the Received Fax Data List, store it on the MFD's hard disk, and manage it via the Document Filing function. (See page 6.)

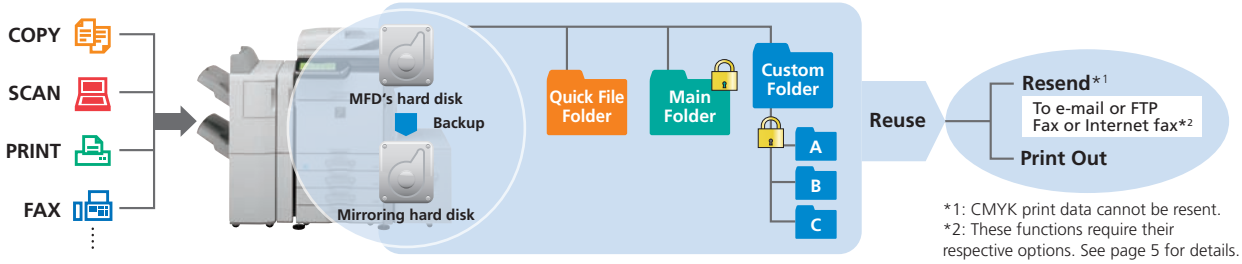
Time-Specified Fax Output

The MX-5111N/4111N can withhold output of incoming faxes until a user-specified time: during lunch break, for example, when the MFD is not heavily used.

DOCUMENT MANAGEMENT

Document Management on the Hard Disk

You can save processed job data in designated folders on the MFD's hard disk, making it easy to instantly recall saved documents or jobs for printing and sending at a later time. This contributes greatly to efficient sharing and distribution of information in your business operations.



*1: CMYK print data cannot be resent.
*2: These functions require their respective options. See page 5 for details.

Quick Filing

Up to **10,000 pages** or 1,000 files* that have been copied, printed, scanned, or faxed can be stored by job on the hard disk in a Quick File Folder. You can easily reuse saved data without having to reload or rescan the original.

Advanced Filing Function

Up to **20,000 pages** or 3,000 files* that have been copied, printed, scanned, or faxed can be stored by job on the hard disk in up to 1,000 folders with customised names and locations. Enhanced security features require users to enter a 5 to 8 digit password to access secure folders, protecting your sensitive data. Storage options include Main Folder for workgroup sharing and Custom Folder for enhanced-security archiving.

* Measured using Sharp's standard chart (A4 with 6% coverage, B/W). The Quick File Folder shares the hard disk with the Job Build function. The storage capacity will be less for colour pages.

Easy Access to Stored Files

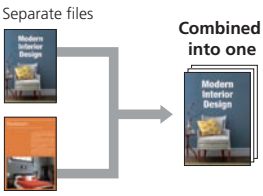
Documents stored on the hard disk can be quickly and easily searched and accessed from the control panel's LCD via thumbnail displays and file previews or through a Web browser.

Search results

Web access screen

File Combining

For more effective data utilisation, two files saved on the MFD's hard disk can be easily combined into one file.



PDFs for PC Browsing

Processed job data can be saved in PDFs for browsing and downloading on a PC and in dedicated Document Filing formats.

Easy Sharing of Application Files

The MX-5111N/4111N's hard disk enables files created with applications such as Word and Excel® to be saved in their original file format and shared across the office network.

Document is saved to MFD in original file format

Stored on MFD's hard disk

User retrieves file from MFD

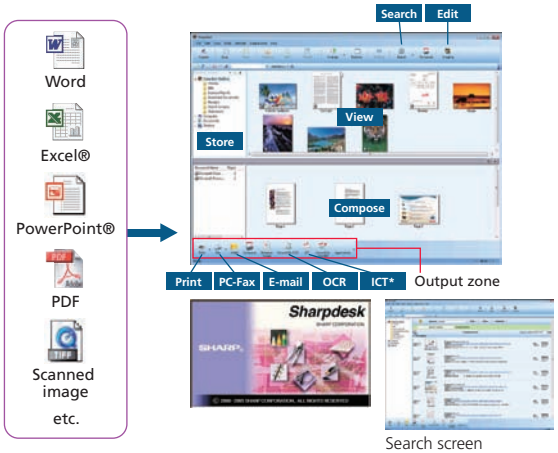
Mirroring Kit

To protect the enhanced data handling capability of the MFD's hard disk, which provides improved Document Filing functions and easy sharing of application files, the optional Mirroring Kit offers hard disk backup and peace of mind.

Sharpdesk for Total Document Management

Sharpdesk is an original Sharp application that provides integrated desktop management of documents in over **200 file formats**, including scanned paper-based documents and those created with popular applications such as Word. It allows you to organise, edit, search, and distribute your documents, all with simple drag-and-drop operation.

- Intuitive desktop display features **thumbnail** viewing
- Sharpdesk Imaging provides **annotation** tools for paper-free proofreading
- Sharpdesk **Composer** combines different types of files into a single document
- **Optical character recognition** converts documents into editable text files
- **Output zone** distributes files to e-mail, printers, and other applications
- **File search** allows searching by file name, keyword, or thumbnail



Search screen

* Image Compression Tool for converting images into compact PDF files

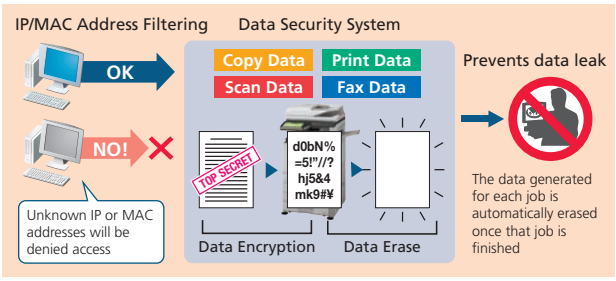
SECURITY

Powerful Multi-Layered Security

With multiple levels of network and data security to cover a wide range of security needs, Sharp's security solutions protect your business assets and bring peace of mind. The MX-5111N/4111N safeguards sensitive data with powerful, enhanced security functions that eliminate the worry of unauthorised use and guarantee greater protection for your confidential information.

Secure Network Access

The **IP/MAC address filtering** function provides highly secure operation by restricting access to the MFDs on your office network. Only PCs that have either their IP address or MAC (media access control) address registered are allowed to use the MFDs. Attempted access from an unknown IP or MAC address will be denied, preventing unauthorised use. The MX-5111N/4111N also supports the **IEEE 802.1X** standard for port-based network access control, which blocks all access from unauthorised devices.



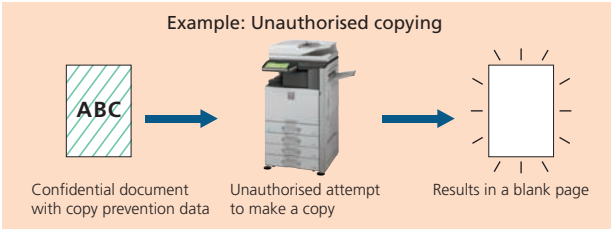
Data Security Kit

Digital copier/printers or MFDs can retain hundreds of pages of confidential information from previous jobs on their hard disks or internal memory. To safeguard this information from unauthorised access, the optional **Data Security Kit** automatically **encrypts and erases** the data from each completed job as well as the data stored on the hard disk and in the address book.

Document Control Function

Document Control prevents unauthorised copying, scanning, faxing, and filing of confidential documents by embedding copy prevention data onto a document. When that data is detected, any unauthorised attempts to copy will be cancelled or will result in only blank-page output.

Note: Requires Data Security Kit. May not work for certain types of documents or paper.


Example: Unauthorised copying
ABC
Confidential document with copy prevention data
Unauthorised attempt to make a copy
Results in a blank page

SSL and IPsec Data Encryption

To ensure an extremely high level of network security, the MX-5111N/4111N employs **SSL** (secure sockets layer) and **IPsec** (IP security) data encryption technologies. SSL encryption prevents data leakage through the network when printing via IPP, browsing secure Web pages (HTTPS), or communicating via e-mail (SMTP and POP3) or FTP (FTPS). IPsec, an obligatory part of the IPv6 Internet protocol, encrypts and authenticates traffic between specified parties.

Data Initialisation

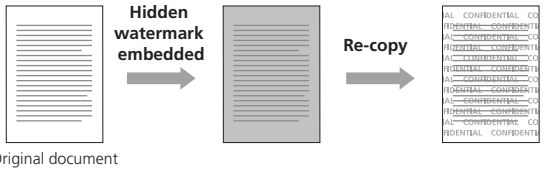
The MX-5111N/4111N's initialisation function allows confidential information to be erased at the administrator's discretion via the MFD's system settings. Initialising an MFD when it's taken out of service prevents data leakage and provides considerable peace of mind.

User Authentication

The MX-5111N/4111N prevents unauthorised use by requiring **passwords** for machine access. This safeguarded solution can register up to 1,000 users in **three access levels** as Administrator, User, or Guest and can designate to which function user authentication applies. The MX-5111N/4111N works with an **external Active Directory server** to extend user authentication to multiple MFDs and a greater number of users.

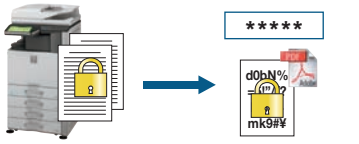
Hidden Pattern Copy/Print

With this function, a watermark, such as "Confidential" or "Not for Copy," can be embedded onto a document. If that document is copied, the watermark will appear, alerting the user not to distribute it.



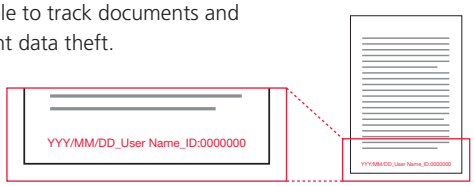
Encrypted PDF with Password Protection

To prevent unauthorised viewing of confidential data, the MX-5111N/4111N enables scanned PDF data to be password protected and encrypted for transmission over the network. After transmission, viewers can gain access to the encrypted PDF only after re-entering the password.



Tracking Information Print

This function prints the MFD user's name, the date, the MFD's serial number, job ID, and other specifics on printouts, making it possible to track documents and prevent data theft.



DEVICE MANAGEMENT

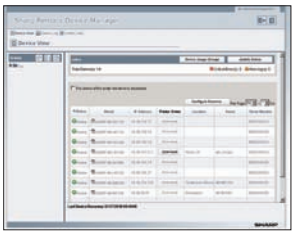
Web-Based System Settings

Administrators can manage every important setting—including user access and security as well as other controls and configurations—through a standard Web browser right from their desktops.

Web-based device management

Network Utility Software

Sharp Remote Device Manager (SRDM) gives administrators centralised, real-time control of their networked MFDs through a standard Web browser, making device cloning, firmware updates, and everything else easier and more accessible.



Web-based SRDM

Remote Diagnosis

The MX-5111N/4111N can be monitored remotely through a Web browser, letting administrators handle tasks before they become problems. When action or maintenance is required, the **E-Mail Status and Alert** function notifies administrators via timely e-mail alerts.

Remote Operation

The Remote Operation function lets you display the MFD's main control panel on your PC screen, allowing you to operate every major function directly from your desktop*. This function also enables the administrator to guide an MFD user through necessary procedures and allows remote MFD operation.

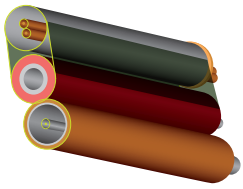
* Requires VNC application.

ENVIRONMENT-FRIENDLY

Outstanding Energy Efficiency

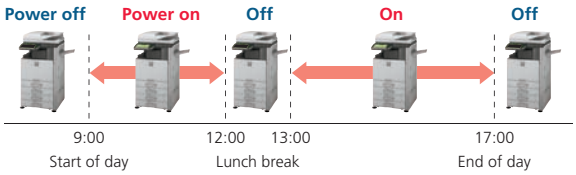
To reduce power consumption, Sharp has applied its advanced technologies across all areas of this MFD, including the hardware, software, electrical system, and supplies. As a result, the MX-5111N/4111N boasts a low power consumption rate.

- Sharp's belt fusing system shortens the MX-5111N/4111N's warm-up time to **34/30 seconds**, contributing to reduced overall energy consumption.



- Based on prior usage patterns, the MX-5111N/4111N automatically determines the optimal length of time to let elapse before going into auto power shut-off mode, helping reduce overall power consumption.

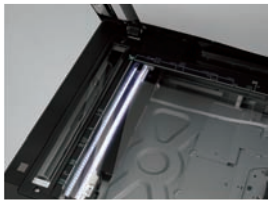
- **Power ON/OFF Schedule** function automatically turns the MX-5111N/4111N on or off according to time schedules set by the administrator.



- **Eco Scan** function saves energy by turning off power to the fusing system during jobs that don't require any printing, such as Image Sending and Document Filing.

- The second-generation high-grade toner has a **lower melting point** than conventional toner, allowing fusing to be carried out with less energy. It also offers a significantly lower consumption rate than conventional toner.

- For further energy savings, energy-efficient **LED lamps** are employed in the scan unit in place of conventional xenon lamps. A new ASIC (application-specific integrated circuit) also helps the MX-5111N/4111N deliver excellent performance and energy efficiency.



EASE OF USE

10.1-Inch Colour LCD Touchscreen

MFD operation has never been so intuitive, so easy! The MX-5111N/4111N's control panel features a wide, clear, WVGA-resolution LCD touchscreen. Simply touch, tap, flick, or slide a finger on the screen for effortless control of every document, function, and setting. For strain-free viewing, the MX-5111N/4111N's user interface employs a smooth, bold scalable font in sizes that vary in line with the content on display.

Advanced Preview

The Advanced Preview function saves you time and effort by displaying scanned images on the LCD for confirmation and editing. Document finishes, such as page layout and stapling, can be checked before the documents are printed out. Previewed pages can be easily rotated, put in a different order, and deleted via tap-and-drag editing right on the LCD. You can even erase specific parts of a previewed page and insert blank pages.

Edit on the LCD

Customisable Screen

The Home screen can be customised for individual users by programming their most frequently used functions and settings and creating **shortcut keys** for quick and easy access. The **Enlarge Display** mode brings added readability.

On-Screen User Manual

Stored on the MX-5111N/4111N's hard disk for quick and easy reference, the user manual can be readily accessed for viewing on the large LCD.

Action Panel

The Action Panel appears on the right side of the touchscreen to guide you through operational procedures. The MFD intuits what actions to take next and the Action Panel displays shortcut keys and messages pertaining to those actions.

Universal Design

- The control panel can be **tilted** to five different angles* for easy viewing.
  * If the optional MX-FNX9 finisher is installed, the number of angles is limited to two: the top and second from the top.
- **Easy-grip handles** allow the paper drawers to be grasped from the top as well as the bottom for easy opening and closing.

Retractable Keyboard (option)

A **full-size retractable QWERTY keyboard** slides out from beneath the control panel to make text input fast and easy: convenient for typing things like e-mail addresses and messages, as well as passwords for user authentication.

EXPANDABILITY

Direct Internet Access

The optional **Web Browsing Expansion Kit** gives you direct access to the Internet for easy browsing of Web sites on the colour touchscreen. With such quick access to information, brochures and user manuals in PDF* format as well as maps and coupons can be printed out on the spot.

* PDF printing requires optional MX-PK11.

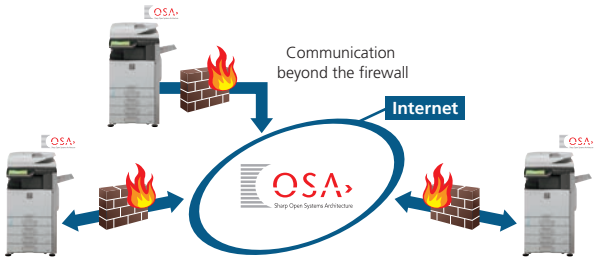
Sharp OSA Network Scanner Tool

This client-based scan-to-desktop option is the ideal document management system for small workgroups or offices that don't have servers. Sharp OSA Network Scanner Tool provides centralised scan/print user profiles to give everyone in the office easy one-touch scanning to their PC from any networked MFD—without complicated settings. Scanned documents can be quickly and easily printed, filed, previewed, shared, and stored to save time and improve document workflow. Sharp OSA Network Scanner Tool automatically names PDF files based on scanned-document titles and can convert scanned documents into text with the OCR engine to create searchable PDF files.

Sharp OSA (Open Systems Architecture)

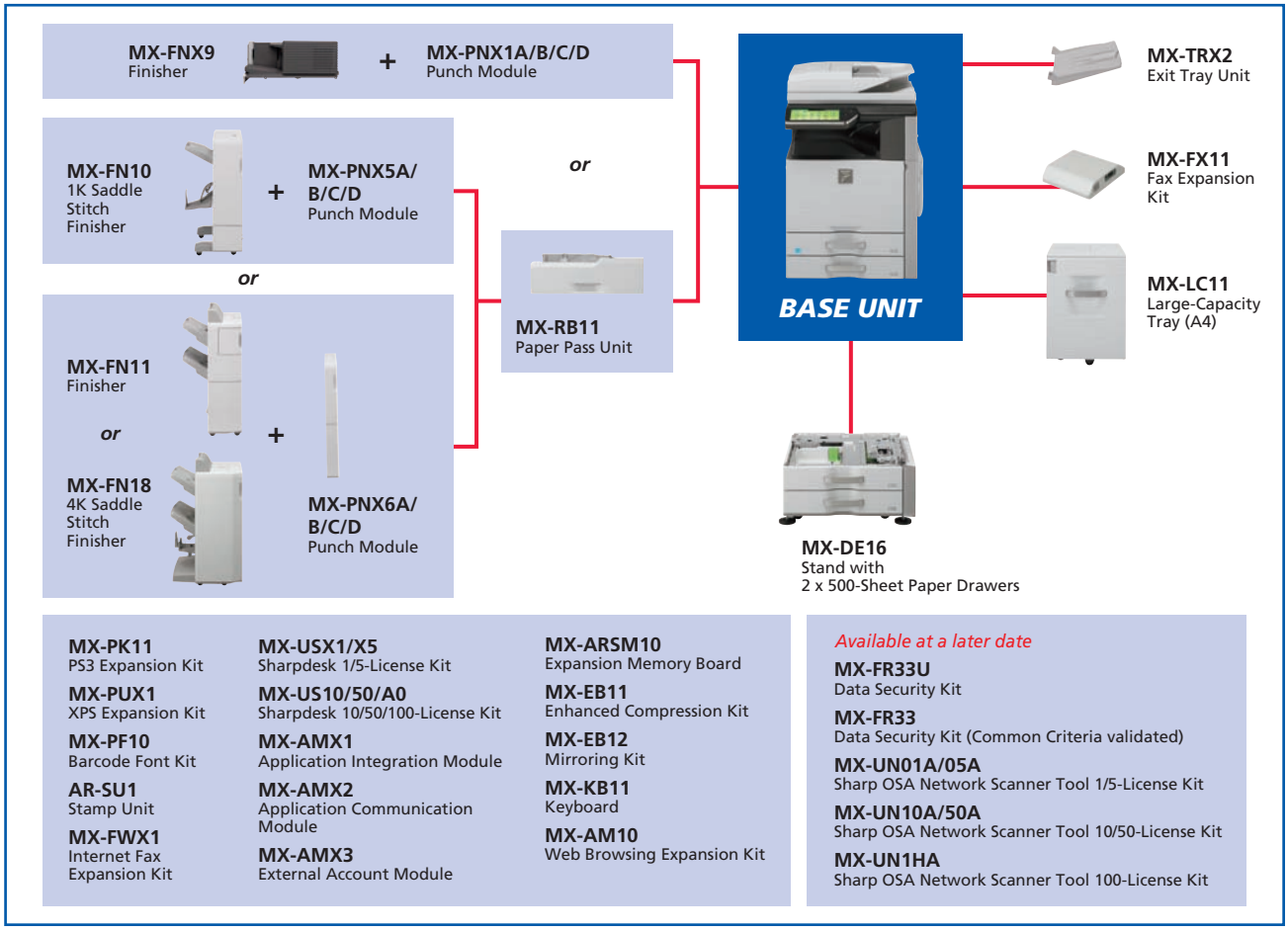
Innovative Sharp OSA* technology allows you to interact with critical business and network applications right from the LCD control panel, offering a new realm of control and convenience. Since Sharp OSA utilises industry-standard network protocols, the MX-5111N/4111N can easily integrate with document management systems, enterprise resource planning software, workflow applications, and more. The latest version of Sharp OSA can **reach beyond the firewall**, enabling extensive system construction and services over the Internet. Sharp OSA brings benefits such as reducing the costs associated with system implementation and management, as well as enabling data sharing across company branch offices or subsidiaries—effectively enhancing total business efficiency.

* Requires optional MX-AMX2 and/or MX-AMX3.



OPTIONS

System Configuration



Certain options may not be available in some areas.

Specifications for Options

MX-FNX9 Finisher

Paper size	Non offset	A3W to A5R
	Offset/staple	A3 to B5
Max. paper capacity		500 sheets (A4 or smaller), 250 sheets (B4 or larger)
Max. stapling capacity		50 sheets (A4 or smaller), 30 sheets (B4 or larger)
Staple position		3 locations (front, rear or both)

MX-FN10 Saddle Stitch Finisher

Paper size	Non offset	A3W to A5R
	Offset/staple	A3 to B5R
	Saddle stitch	A3, B4, A4R
Max. paper capacity	Offset tray	1,000 sheets (A4 or smaller, except A5R), 500 sheets (A5R, B4 or larger)
	Saddle stitch tray	10 sets of 11–15 sheets, 15 sets of 6–10 sheets, 20 sets of 1–5 sheets
Max. stapling capacity		50 sheets (A4 or smaller), 25 sheets (B4 or larger)
Staple position		3 locations (front, rear or both)

MX-FN11 Finisher

Paper size	Non offset	A3W to A5R
	Offset/staple	A3 to B5
Max. paper capacity	Upper tray	1,550 sheets (A4)
	Lower tray	2,450 sheets (A4)
Max. stapling capacity		50 sheets (A4 or smaller), 30 sheets (A4R, B4 or larger)
Staple position		3 locations (front, rear or both)

MX-FN18 Saddle Stitch Finisher

Paper size	Non offset	A3W to A5R
	Offset/staple	A3 to B5
	Saddle stitch	A3W to A4R
Max. paper capacity	Upper tray	1,550 sheets (A4)
	Lower tray	2,450 sheets (A4)
	Saddle stitch tray	10 sets of 11–15 sheets, 15 sets of 6–10 sheets, 25 sets of 1–5 sheets
Max. stapling capacity		50 sheets (A4 or smaller), 30 sheets (A4R, B4 or larger)
Staple position		3 locations (front, rear or both)

Punch Modules

Model name	For the MX-FNX9	MX-PNX1A	MX-PNX1B	MX-PNX1C	MX-PNX1D
	For the MX-FN10	MX-PNX5A	MX-PNX5B	MX-PNX5C	MX-PNX5D
	For the MX-FN11/FN18	MX-PNX6A	MX-PNX6B	MX-PNX6C	MX-PNX6D
Number of holes		2	3	4	4 (wide)
Paper weight		55 to 256 g/m² *			

* Guaranteed punchable weight is 55 to 128 g/m².

MX-DE16 Stand with 2 x 500-Sheet Paper Drawers

Paper size (upper and lower tray)	A3 to A5R
Paper capacity (upper and lower tray)	500 sheets each

MX-LC11 Large-Capacity Tray

Paper size	A4, B5
Paper capacity	3,500 sheets

MX-FX11 Fax Expansion Kit

Compression method	MH/MR/MMR/JBIG
Communication protocol	Super G3/G3
Modem speed	33,600 bps to 2,400 bps

Note: All specifications relating to paper capacity refer to 80 g/m² paper.

When using Sharpdesk, Sharp OSA Network Scanner Tool, and Sharp OSA, please ask your Sharp representative about PC system requirements.

SPECIFICATIONS

General

Type	Desktop
Engine speed (colour & B/W)	Max. 51/41 cpm/ppm (A4, long-edge feeding)
Paper size	Max. A3 wide, min. A5R
Paper capacity (80 g/m²)	Standard: 1,100 sheets (two 500-sheet trays and 100-sheet multi-bypass tray) Maximum: 5,600 sheets
Paper weight	Tray: 60 g/m² to 220 g/m² Multi-bypass tray: 55 g/m² to 256 g/m²
Warm-up time*1	MX-5111N: 34 sec. MX-4111N: 30 sec.
Memory	[Standard] Copy/print (shared): 3GB 160GB HDD*2 [Option] Print: 1GB
Power requirements	230-240V AC, 50/60 Hz
Power consumption (max.)	1.84 kW
Dimensions (W x D x H)	643 x 761 x 966 mm
Weight (approx.)	MX-5111N: 127 kg MX-4111N: 126 kg
Features	Job build, document filing, user authentication (1,000 accounts), toner save mode, pre-heat/auto power shut-off modes, advanced preview, etc.

Copier

Original paper size	Max. A3
First copy time*3	[MX-5111N] Full colour: 5.7 sec. B/W: 4.1 sec. [MX-4111N] Full colour: 6.7 sec. B/W: 4.7 sec.
Continuous copy	Max. 999 copies
Resolution	Scan (colour): 600 x 600 dpi Scan (B/W): 600 x 600 dpi, 600 x 400 dpi Print: 600 x 600 dpi, 9,600 (equivalent) x 600 dpi (depending on print mode)
Gradation	Equivalent to 256 levels
Zoom range	25 to 400% (25 to 200% using DSPF) in 1% increments
Preset copy ratios	Metric: 10 ratios (5R/5E), inch: 8 ratios (4R/4E)
Features	Auto paper selection (mixed/random size feeding), auto magnification selection, paper type selection, auto tray switching, rotation copy, electronic sorting, network tandem copy, book copy, margin shift, dual page copy, multi-shot (8/4/2-in-1), cover/transparency/tab page insertion, pamphlet copy, 2-sided copy orientation change, XY zoom, B/W reverse, mirror image, duplex copy, job reservation, job programme, repeat layout, irregular original/paper size input, stamps (watermark, date, page number, text, stamp), multi-page enlargement, tab copy, centering, proof copy, auto colour mode, auto colour selection, auto calibration, sharpness, card shot, original count, edge/centre/side erase, user stamps, blank page skip, position image, book divide, hidden pattern print, tracking information print, etc.

Network Scanner

Scan method	Push scan (via control panel), pull scan (TWAIN-compliant application)
Resolution	Push scan: 100, 150, 200, 300, 400, 600 dpi Pull scan: 75, 100, 150, 200, 300, 400, 600 dpi 50 to 9,600 dpi via user setting*4
File formats	TIFF, PDF, encrypted PDF, JPEG, XPS*5, compact PDF*6, PDF/A
Scanner utility	Sharpdesk
Scan destinations	Scan to e-mail/desktop/FTP server/network folder (SMB)/USB memory
Features	Internet fax*7 (supports direct SMTP), PC-Internet fax transmission*7, auto colour mode, mixed size original scanning, LDAP support, direct entry (address, subject, message), 2,000 one-touch dials, 500 group dials, 48 job programmes, broadcasting, long original scanning (max. 1,000 mm)*8, auto colour selection, card shot, original count, edge/side erase, drop-out color, one scan/multi format, book divide, blank page skip, etc.

Document Filing

Document filing capacity	Main and custom folders: 20,000 pages*9 or 3,000 files Quick file folder: 10,000 pages*9 or 1,000 files
Stored jobs*10	Copy, print, scan, fax
Storage folders	Quick file folder, main folder, custom folder (max. 1,000 folders)
Confidential storage	Password protection (for main and custom folders)

Network Printer

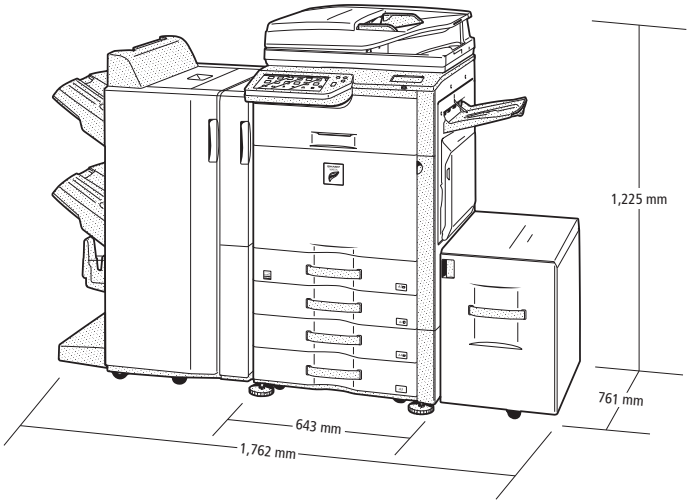
Resolution	1,200 x 1,200 dpi, 600 x 600 dpi, 9,600 (equivalent) x 600 dpi
Interface	USB 2.0, 10Base-T/100Base-TX/1000Base-T
Supported OS*11	Windows Server® 2003/2008, Windows® 2000/XP, Windows Vista®, Windows® 7, Mac OS 9.0 to 9.2.2, Mac OS X 10.2.8, 10.3.9, 10.4.11, 10.5 to 10.5.8, 10.6.5
Network protocols*11	TCP/IP (IPv4, IPv6), IPX/SPX (NetWare), NetBEUI, EtherTalk (AppleTalk)
Printing protocols	LPR, Raw TCP (port 9100), POP3 (e-mail printing), HTTP, Novell Printserver application with NDS and Bindery, FTP for downloading print files, EtherTalk printing, IPP
PDL (emulation)	Standard: PCL 6 emulation Option*12: PS3 emulation, XPS
Available fonts	80 fonts for PCL, 136 fonts for PS3 emulation
Features*10 *13	Network tandem print, RIP Once/Print Many, job retention (proof print, confidential print), direct PDF/TIFF/JPEG/XPS printing, carbon copy print, duplex print, font/form download, offset output, pamphlet style, Sharp Remote Device Manager, printer status monitor, layout print, IP/MAC address filtering, port/protocol management, binding edge, N-up (2/4/6/8/9/16), paper/output tray selection, cover/transparency insertion, fit to page, watermarks, form overlay, auto configuration, barcode font compatibility, tab print, poster print, margin shift, secure network communications (SSL and IPsec [LPD]), tracking information print, hidden pattern print, etc.

B/W Facsimile (optional MX-FX11 required)

Compression method	MH/MR/MMR/JBIG
Communication protocol	Super G3/G3
Transmission time	Less than 3 seconds*14
Modem speed	33,600 bps to 2,400 bps with automatic fallback
Transmission resolution	From Standard (203.2 x 97.8 dpi) to Ultra Fine (406.4 x 391 dpi)
Recording width	A3 to A5
Memory	1GB (built-in)
Grey scale levels	Equivalent to 256 levels
Features	Duplex transmission/reception, quick on-line transmission, error correction mode, 2,000 one-touch dials, 500 group dials, LDAP support, 48 job programmes, broadcasting number registration, F-Code compatibility (confidential, relay broadcast), polling, memory transmission/reception, auto reduction (transmission/reception), rotation transmission/reception, print actual size, 2-in-1 transmission, long original transmission (max. 1,000 mm), PC-Fax transmission, timer transmission, inbound routing to e-mail/FTP server/network folder (SMB)/PC desktop/fax/Internet fax, activity report, anti-junk fax, dual page scan, mixed size original scanning, card shot, edge/side erase, original count, etc.

*1: At rated voltage, 23°C. May vary depending on operating conditions and environment. *2: HDD capacity depends on procurement and sourcing status. *3: Long-edge feeding of A4 sheets from 1st paper tray, using document glass, without Auto Colour Selection and Auto Colour mode, MFD in fully ready condition. May vary depending on operating conditions and environment. *4: Resolutions higher than 600 dpi are interpolated. *5: To view XPS files on PCs not running Windows Vista, you must have the XPS Viewer application installed. *6: Optional MX-EB11 required. *7: Optional MX-FWX1 required. *8: B/W documents only, scanned at under 400-dpi resolution. *9: Measured using Sharp's standard chart (A4 with 6% coverage, B/W). The Quick File Folder shares the HDD with the Job Build function. The storage capacity will be less for colour pages. *10: Some features require option(s). *11: Optional MX-PK11 required for Mac OS and EtherTalk. *12: PS requires optional MX-PK11. XPS requires optional MX-PUX1 and MX-ARSM10 (1GB). *13: Some features are not available according to the printer driver used. *14: Based on Sharp's standard chart with approx. 700 characters (A4 long-edge feeding) at standard resolution in Super G3 mode, 33,600 bps, JBIG compression.

- Design and specifications are subject to change without prior notice.
- Colour variations to products may occur due to printing.
- Some features require Optional items. Please consult with an authorised Sharp Reseller for details.
- All information and technical details are correct as at machine release date.
- Windows, Windows NT, Windows Server, and Windows Vista are registered trademarks of Microsoft Corporation in the United States and/or other countries. All other brand names and product names may be trademarks or registered trademarks of their respective owners.
- The ENERGY STAR logo is a certification mark and may only be used to certify products that have been determined to meet the ENERGY STAR programme requirements. ENERGY STAR is a US registered mark. The ENERGY STAR guidelines apply to products only in the US, the EU, Japan, Canada, Australia, New Zealand and Taiwan.



MX-5111N/4111N shown with options.

SHARP